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25X1	Approved For Release 2005/04/22. CIA RDF 9B01709A000500020015-0 MCGWG-M-11	25X′
j ļ	Report on Recent Collection Efforts	
25X1A	2. of AMS presented a briefing which showed that 1027, a search-surveillance mission, was operational for only one day, but provided a total of approximately 249,000 square miles of KH-4 cover outside the Sino-Soviet area. 1028, a search surveillance mission, operated for approximately 10 days, but the second half of the mission was only partiall successful, since the stellar index camera was not operating. However, the mission did yield approximately 516,000 square miles of stereo panoramic KH-4 coverage outside the Sino-Soviet area. Coverage obtained in this mission brought the total acceptable KH-4 coverage now on hand outside the Sino-Soviet areas to a total of over 9,000,000 square miles. demonstrated that the recoverage requirements approved last fall for approximately 400,000 square miles inside the Sino-Soviet area were approximately 50 per cent fulfilled as of this time. These recoverage requirements were related to obtaining improved coverage for purposes of both accuracy and economy in those areas where both Army and Air Force production units were presently preparing compilation bases. After discussion, it was concluded that Army Map Service representatives should contact Air Force and Navy production units, as well as the production activities within Army, to update these recoverage requirements in keeping with planned production within the next six months.	25X1 <i>A</i>
2 5×1A	Research and Development Requirements for MC&G Acquisition Systems 3.	25X1 <i>A</i>
25 ×1☆	included the need to include accuracy requirements related to present weapons systems, as well as future systems requirements, and the fact that present satellite acquisition systems are not meeting all mapping and shorting as	25X1 <i>E</i> 25X1 <i>E</i>
	ments particularly as applies to large scale maps. Further, the fulfillment of	25X ²
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25X1		
25X1A	positioning and elevation requirements, world-wide, needs to reflect the input of overt acquisition systems. The Group discussed a number of other considerations, and agreed on other minor modifications that would improve the paper and retain the basic approach initiated by stated that he would arrange for appropriate revisions as discussed at the meeting to be made in the paper prepared by and that a second draft would be circulated for the review of committee members prior to the next meeting.	25X1/ 25X1/
	Additions and Modifications to R&D Requirements	
25X1A 25X1A	paper on the above subject based on the conclusions of the previous Working Group meeting. This DIA paper set forth the basis for the accuracy requirements and expressed minor substantive modifications to the requirements paper based on recent DoD experiences. In response to the Chairman's request, briefly described the material covered. Minor modifications included increased detail requirements in all-weather sensing, limitations of high altitude KH-4 for medium scale map production, and the matter of expressing focal length for the index camera to improve geometry. indicated that the DIA paper would be forwarded to members for review, such that any comments on the substantive material presented could be brought out at the next meeting.	
	The State of the Art in Satellite Acquisition Systems	0EV4
	5. Discussion of R&D requirements as set forth in paragraphs 4 and 5 brought out the viewpoint of the DoD representatives that paper on R&D requirements, and various points raised in discussion by other personnel close to satellite acquisition systems, indicated that DoD representatives were not fully cognizant of the state-of-the-art in acquisition systems capabilities and systems under fabrication. Accordingly, discussions involving whether certain requirements could be accomplished by reconnaissance system or other systems in development were hampered by this lack of knowledge. In some cases it may be possible to better meet MC&G needs with a modification that could easily be made early in the development period. Further, this lack of understanding necessarily leads to inappropriate substantive statements in the R&D requirements paper prepared by DoD. While it was recognized in the discussion that there should be a "need-to-know" aspect to acquisition systems	g n s

design and capabilities, the effectiveness of the MC&G Working Group was clearly impaired by the lack of understanding of acquisition state-of-the-art for satellite systems in general. It was recommended that the Chairman of the MC&G Working Group arrange, either through briefings within the scope of presently held operational tickets, or the granting of additional operational tickets, for Working Group members to be fully informed on acquisition were temps

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state-of-the-art.

			MCGWG-M-11	25X1
	Scheduling of the Next Special	MC&G KH-4		
IA	reported that this subject had concluded that the first pan ge being readied for operational the next special MC&G mission be taken of the pan geometry of However, since the next pan geometry camera systematically and been planned as a search-have obtained pan geometry concoverage outside the Sino-Sovi it was reasoned that if the pan on the first mission, we would we had obtained previously. It consider turning the camera systematically standard to obtain extensive of even though the direction of the	cometry KH-4 can flight on the West on. It was held to characteristics in geometry camera iest, it would be stem in April, everage only for the iet area. In furth geometry aspect I still have KH-4 the was brought out ystem around, showerage with the ele sun might permedid not think the on could not be us requirements. In coverage, but would requirements.	within DoD, and it was mera system that is now t Coast should be used for be important that advanta a obtaining MC&G coverage system would not be best to make use of the ven though, originally, it sion which would otherwise test areas and other limite her support of this conclus t was not completely satisf coverage consistent with vertical that it was already too late that it was already too late could that be desirable from the first pan geometry system it some flare in the stella ere was any major reason and as a special MC&G from of NRO, com ld need to make several in	e d sion, factory what te to m the d more m, r photos. why m the 25X1A quiries,
	Pan Geometry KH-4 Coverage	Requirements fo	r Test Purposes	
Α	7ir was anxious to obtain pan geom test areas for purposes of determing in providing increase wanted to use pan geometry KF production test for automatic production test for auto	netry coverage of ermining how well ased accuracy in H-4 photography i	I the pan geometry system compilation. Further, DI for use in a comparative	ble was A
Α	as the received from Army, Navy, and consideration to weather and a identification factors. A preli	On this bas nd Air Force as t cursory review	sis, recommendations were to appropriate areas, givir of control accuracy and fea	e ng ature
		4		25X1

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		4	
	KH-4 Covera	age for Control Point Identification	
	8.	In accordance with paragraph 5 of the min	nutes of the
	17 January 1	966 meeting of the Working Group,	and
	explained tha	at the reason for requiring KH-4 coverage for	or approximately thirt
	cation purpo	ns, generally in the Southern Hemisphere, is ses. Army Map Service is working on a mu	tor control identifia
	of the	photography for completion in July 1966. A	s input data, all of
	the ground c	ontrol that can be used in the orbit determin	ation work should be
	included by	April 1966. A number of control points or c	ontrol areas in the
	photography	nisphere could be used with greater accurac such as 1:300,000 to 1:400,000 were availab	y if intermediate scal
		Buch do 1.000.000 to 1.400.000 were avallan	ie ior an intermediate
	transfer step	between the large scale photo coverage of	control points and the
	transfer ster small scale	photography. DIA arranged for AMS	control points and the to show the spotarea
	transfer step small scale on the KH-4	p between the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19	control points and the to show the spot area 966. The Working
	transfer step small scale on the KH-4 Group agreed	p between the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19 d that NRO should treat these as first priori	control points and the to show the spot area 966. The Working ty KH-4 collection
	transfer step small scale on the KH-4 Group agreed requirements	p between the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19	control points and the to show the spot area 966. The Working ty KH-4 collection
	transfer step small scale on the KH-4 Group agreed requirements	photography. DIA arranged for AMS indexes as first priority areas until April 19 d that NRO should treat these as first prioris until April 1966, at which time DIA would	control points and the to show the spot area 966. The Working ty KH-4 collection
	transfer step small scale on the KH-4 Group agreed requirements	photography. DIA arranged for AMS indexes as first priority areas until April 19 d that NRO should treat these as first prioris until April 1966, at which time DIA would	control points and the to show the spot area 966. The Working ty KH-4 collection
	transfer step small scale on the KH-4 Group agreed requirements	photography. DIA arranged for AMS indexes as first priority areas until April 19 d that NRO should treat these as first prioris until April 1966, at which time DIA would	control points and the to show the spot area 966. The Working ty KH-4 collection
	transfer step small scale on the KH-4 Group agreed requirements	photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first priorits until April 1966, at which time DIA would appropriate.	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	transfer step small scale on the KH-4 Group agreed requirements	photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first priorits until April 1966, at which time DIA would a appropriate.	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	transfer step small scale on the KH-4 Group agreed requirements	photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first priorits until April 1966, at which time DIA would appropriate.	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	transfer step small scale on the KH-4 Group agreed requirements priorities, a	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first priority and suntil April 1966, at which time DIA would appropriate. Chairm COMOR MCG Wo DIA TCO	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	transfer step small scale on the KH-4 Group agreed requirements priorities, a	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19 d that NRO should treat these as first priority and suntil April 1966, at which time DIA would appropriate. Chairm COMOR MCG Wo DIA TCO DIA TCO Army TCO (Mr. Matthews)	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	transfer step small scale on the KH-4 Group agreed requirements priorities, a Copy 1 2, 3 4, 5 6, 7	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first priority and until April 1966, at which time DIA would appropriate. Comor McG Wo DIA TCO DIA TCO Army TCO (Mr. Matthews) Navy TCO (Mr. Wolf)	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	transfer step small scale on the KH-4 Group agreed requirements priorities, a	Chairm COMOR MCG Wo DIA TCO DIA TCO DIA TCO Army TCO (Mr. Matthews) Navy TCO (Mr. Wolf) Air Force TCO (Mr. Eldridge)	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	copy 1 2,3 4,5 6,7 8,9 10,11 12	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first priority and until April 1966, at which time DIA would appropriate. Comor McG Wo DIA TCO DIA TCO Army TCO (Mr. Matthews) Navy TCO (Mr. Wolf)	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	copy 1 2,3 4,5 6,7 8,9 10,11 12 13,14	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first prioris until April 1966, at which time DIA would appropriate. Chairm COMOR MCG Wo DIA TCO DIA TCO Army TCO (Mr. Matthews) Navy TCO (Mr. Wolf) Air Force TCO (Mr. Eldridge) CIA Member NRO NPIC	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	copy 1 2,3 4,5 6,7 8,9 10,11 12 13,14 15	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first prioris until April 1966, at which time DIA would a sappropriate. COMOR MCG Wo DIA TCO DIA TCO Army TCO (Mr. Matthews) Navy TCO (Mr. Wolf) Air Force TCO (Mr. Eldridge) CIA Member NRO NPIC State TCO (Mr. Moyer)	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	copy 1 2,3 4,5 6,7 8,9 10,11 12 13,14 15 16	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19 d that NRO should treat these as first priority and until April 1966, at which time DIA would as appropriate. COMOR MCG Wo DIA TCO DIA TCO DIA TCO Army TCO (Mr. Matthews) Navy TCO (Mr. Wolf) Air Force TCO (Mr. Eldridge) CIA Member NRO NPIC State TCO (Mr. Moyer) NSA TCO	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
	copy 1 2,3 4,5 6,7 8,9 10,11 12 13,14 15	chetween the large scale photo coverage of photography. DIA arranged for AMS indexes as first priority areas until April 19d that NRO should treat these as first prioris until April 1966, at which time DIA would a sappropriate. COMOR MCG Wo DIA TCO DIA TCO Army TCO (Mr. Matthews) Navy TCO (Mr. Wolf) Air Force TCO (Mr. Eldridge) CIA Member NRO NPIC State TCO (Mr. Moyer)	control points and the to show the spot area 966. The Working ty KH-4 collection recommend lower
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